Exit Slip

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Solve the magic square by using the appropriate volume formulas for the following shapes (round to the nearest whole number).
* Each row and column will add together to equal the same number throughout the entire square.

A: Find the volume of a cube with sides of length 2in

B: Find the volume of a cylinder with a height of 6cm and a radius of 5cm

C: Find the volume of a pyramid with a height of 3km and square base with sides of length 4km

D: Find the volume of a rectangular prism with height of 2ft, width of 4ft and length of 5ft

E: Find the volume of a cone with a height of 7 m and a radius of 4m

F: Find the volume of a sphere with a radius of 8in

G: A rectangular box has an area of 250, a length of 10ft and a width of 5ft. Find the height of this box.

H: A cylinder has a volume of 785 and a height of 10in. Find the radius of this cylinder.

I: A pyramid has a volume of 120 and a square base with sides of length 6m. Find the height of this pyramid.

3 ~ 117 8 ~ 2145 11 ~ 16

4 ~ 10 m 9 ~ 8 12 ~ 471

7 ~ 40 10 ~ 25in 14 ~ 5ft

|  |  |  |
| --- | --- | --- |
| D | I | F |
| H | B | C |
| A | E | G |

Name:\_\_\_\_\_\_\_\_Key\_\_\_\_\_\_\_\_\_

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| D 7 | I 11 | F 8 |
| H 10 | B 12 | C 4 |
| A 9 | E 3 | G 14 |